RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/677, 856

Source: _____ TFW16

Date Processed by STIC: _____ 02/03/2006

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 02/03/2006
PATENT APPLICATION: ·US/10/677,856   TIME: 11:48:27

     Input Set : **A:\2183-6143us seq list.txt**
     Output Set: **N:\CRF4\02032006\J677856.raw**

```
 3 <110> APPLICANT: Groot, Pieter C.
 4         Bergenhenegouwen van, Bram J.
 5         Oosterhout van, Antoon J.M.
 7 <120> TITLE OF INVENTION: Genes involved in immune related responses observed
 8         with asthma
10 <130> FILE REFERENCE: 2183-6143US
12 <140> CURRENT APPLICATION NUMBER: US 10/677,856
13 <141> CURRENT FILING DATE: 2003-10-02
15 <150> PRIOR APPLICATION NUMBER: EP 00202867.8
16 <151> PRIOR FILING DATE: 2000-08-16
18 <150> PRIOR APPLICATION NUMBER: PCT/NL01/00610
19 <151> PRIOR FILING DATE: 2001-08-16
21 <160> NUMBER OF SEQ ID NOS: 139
23 <170> SOFTWARE: PatentIn Ver. 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 7
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: gamma-secretase cleavage region
34 <400> SEQUENCE: 1
35 Ile Ala Thr Val Ile Val Ile
36 1               5
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 4
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION  internalization sequence
47 <400> SEQUENCE: 2
48 Asn Pro Thr Tyr
49   1
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 4
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: caspase consensus site
60 <400> SEQUENCE: 3
61 Val Glu Val Asp
62   1
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 20
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OK

RAW SEQUENCE LISTING   DATE: 02/03/2006
PATENT APPLICATION: US/10/677,856   TIME: 11:48:27

Input Set : A:\2183-6143us seq list.txt
Output Set: N:\CRF4\02032006\J677856.raw

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67  <212> TYPE: DNA
68  <213> ORGANISM: Artificial Sequence
70  <220> FEATURE:
71  <223> OTHER INFORMATION: sense primer
73  <400> SEQUENCE: 4
74  gccttcggac agcatttaca                                        20
77  <210> SEQ ID NO: 5
78  <211> LENGTH: 20
79  <212> TYPE: DNA
80  <213> ORGANISM: Artificial Sequence
82  <220> FEATURE:
83  <223> OTHER INFORMATION: anti-sense primer
85  <400> SEQUENCE: 5
86  tgcgttgtcc aggtgataag                                        20
89  <210> SEQ ID NO: 6
90  <211> LENGTH: 17
91  <212> TYPE: PRT
92  <213> ORGANISM: Artificial Sequence
94  <220> FEATURE:
95  <223> OTHER INFORMATION: KLH conjugated peptide AA 77-92
97  <400> SEQUENCE: 6
98  Lys Thr Pro Asn Thr Glu Arg Gln Lys Glu Gln Glu Lys Ile Leu Gln
99    1                 5                  10                  15
101 Cys
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 16
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: KLH conjugated peptide AA 275-289
112 <400> SEQUENCE: 7
113 Ser Arg Phe Gln Lys Tyr Trp Asn Arg Gly Glu Pro Asn Asn Ile Cys
114   1                 5                  10                  15
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 30
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: sense primer OtS1-B7
125 <400> SEQUENCE: 8
126 atgagtgact ccacagaagc caagatgcag                              30
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 29
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: anti-sense primer OtS1-B7
137 <400> SEQUENCE: 9
138 aagaacagga aggagagcag ctgcaggac                               29
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142 <211> LENGTH: 20
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: sense primer SvO2-1-B7
150 <400> SEQUENCE: 10
151 atacacaggc tgttcccgtt                                          20
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155 <211> LENGTH: 18
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: anti-sense primer SvO2-1-B7
162 <400> SEQUENCE: 11
163 atgatgaagc ctcccgtg                                            18
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: sense primer SvO2-1-B7
174 <400> SEQUENCE: 12
175 aagtggtgga agaccgtgac                                          20
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: anti-sense primer SvO2-1-B7
186 <400> SEQUENCE: 13
187 aaatgctgga tgagggtctg                                          20
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 23
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: sense primer SvO2-1-D8
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (1)..(23)
201 <223> OTHER INFORMATION: "n" on position 21, 22 and 23 stands
202        for unknown nucleic acid"
204 <400> SEQUENCE: 14
W--> 205 tggaccttac tggggatctc nnn                                 23
208 <210> SEQ ID NO: 15
209 <211> LENGTH: 20
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 02/03/2006
PATENT APPLICATION: US/10/677,856   TIME: 11:48:27

Input Set : A:\2183-6143us seq list.txt
Output Set: N:\CRF4\02032006\J677856.raw

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213 <220> FEATURE:
214 <223> OTHER INFORMATION: anti-sense primer SvO2-1-D8
216 <400> SEQUENCE: 15
217 actcttctgg tgggtgagga                                    20
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 20
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: sense primer OtS2-A6
228 <400> SEQUENCE: 16
229 atgcccggag gtttgcttct                                    20
232 <210> SEQ ID NO: 17
233 <211> LENGTH: 20
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: anti sense primer OtS2-A6
240 <400> SEQUENCE: 17
241 tgcctgtcag ctggagagag                                    20
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: sense primer R1-OS-B1-D3
252 <400> SEQUENCE: 18
253 agtcaaagtg gcctccacac                                    20
256 <210> SEQ ID NO: 19
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: anti-sense primer R1-OS-B1-D3
264 <400> SEQUENCE: 19
265 caagagcaca gctcacaagc                                    20
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 20
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: sense primer R1-OS-B1-A1
276 <400> SEQUENCE: 20
277 cagccatctt gcttctcctc                                    20
280 <210> SEQ ID NO: 21
281 <211> LENGTH: 20
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
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288 <400> SEQUENCE: 21
289 acagagcggc tcaggataaa                                          20
292 <210> SEQ ID NO: 22
293 <211> LENGTH: 23
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: sense primer EST AA7266 62
300 <400> SEQUENCE: 22
301 ggttgaggag cgaatggaag agc                                      23
304 <210> SEQ ID NO: 23
305 <211> LENGTH: 20
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: anti-sense primer EST AA7266 62
312 <400> SEQUENCE: 23
313 attgcccacg gcgctatcca                                          20
316 <210> SEQ ID NO: 24
317 <211> LENGTH: 25
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: sense primer EST W41083
324 <400> SEQUENCE: 24
325 agctagtcct tctggacaac ggtgc                                    25
328 <210> SEQ ID NO: 25
329 <211> LENGTH: 23
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: anti-sense primer EST W41083
336 <400> SEQUENCE: 25
337 tgttggatgg tcccgaactc aaa                                      23
340 <210> SEQ ID NO: 26
341 <211> LENGTH: 25
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: sense primer mCaCC
348 <400> SEQUENCE: 26
349 attagtcaca tttgacagcg ctgcc                                    25
352 <210> SEQ ID NO: 27
353 <211> LENGTH: 24
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: anti-sense primer mCaCC
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/03/2006
PATENT APPLICATION: US/10/677,856   TIME: 11:48:28

Input Set : A:\2183-6143us seq list.txt
Output Set: N:\CRF4\02032006\J677856.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 21,22,23
Seq#:127; N Pos. 151,283
Seq#:128; N Pos. 195,223,244,306,309,313,336,347,355,357,372,377,400,404
Seq#:128; N Pos. 411,417,424,427,432,451,457,459,460,462,463,464,470,471
Seq#:128; N Pos. 473

VERIFICATION SUMMARY   DATE: 02/03/2006
PATENT APPLICATION: US/10/677,856   TIME: 11:48:28

Input Set : **A:\2183-6143us seq list.txt**
Output Set: **N:\CRF4\02032006\J677856.raw**

L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:1773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:120
M:341 Repeated in SeqNo=127
L:1795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:180
M:341 Repeated in SeqNo=128

STATISTICS SUMMARY   DATE: 02/03/2006
PATENT APPLICATION: **US/10/677,856**   TIME: 11:48:28

Input Set : **A:\2183-6143us seq list.txt**
Output Set: **N:\CRF4\02032006\J677856.raw**

Application Serial Number: US/10/677,856
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 10-02-2003
Art Unit: IFW16
Software Application: PatentIN3.1
Total Number of Sequences: 139
Total Nucleotides: 24098
Total Amino Acids: 6377
Number of Errors: 0
Number of Warnings: 8
Number of Corrections: 0

MESSAGE SUMMARY

341 W: 8 ((46) "n" or "Xaa" used)